

	Type	Hits	Search Text	DBs
1	BRS	241933	(UV OR ULTRAVIOLET)	USPAT; EPO; JPO; Derwent
2	BRS	7874	glutathione	USPAT; EPO; JPO; Derwent
3	BRS	19	((GLUTATHIONE) NEAR10 ((UV OR ULTRAVIOLET)))	USPAT; EPO; JPO; Derwent
4	BRS	1775	((424/60.CCLS.) OR (424/59.CCLS.))	USPAT; EPO; JPO; Derwent
5	BRS	7874	glutathione	USPAT; EPO; JPO; Derwent
6	BRS	111	((((424/60.CCLS.) OR (424/59.CCLS.))) AND (GLUTATHIONE))	USPAT; EPO; JPO; Derwent
7	BRS	1566	424/59.ccls.	USPAT; EPO; JPO; Derwent
8	BRS	2286	2.ti,ab.	USPAT; EPO; JPO; Derwent
9	BRS	3	((((424/59.CCLS.) AND (GLUTATHIONE))) AND (2.TI,AB.))	USPAT; EPO; JPO; Derwent
10	BRS	110	((424/59.CCLS.) AND (GLUTATHIONE))	USPAT; EPO; JPO; Derwent
11	BRS	1	"3821370".PN.	USPAT
12	BRS	66317	(ANTINFLAMMATORY OR ANTIINFLAMMATORY OR ANTI-INFLAMMATORY OR INFLAMMATION)	USPAT; EPO; JPO; Derwent
13	IS&R	2	("4847069").PN.	USPAT; EPO; JPO; Derwent
14	BRS	1566	424/59.ccls.	USPAT; EPO; JPO; Derwent
15	BRS	2286	glutathione.ti,ab.	USPAT; EPO; JPO; Derwent
16	BRS	3	((424/59.CCLS.) AND (GLUTATHIONE.TI,AB.))	USPAT; EPO; JPO; Derwent
17	BRS	15	(((((("5023235".PN.) OR ("4952391".PN.)) OR ("4847069".PN.)) OR ("4847071".PN.)) OR ("5216116".PN.)) OR ("4954332".PN.))	USPAT; EPO; JPO; Derwent
18	IS&R	1566	("424/59").CCLS.	USPAT; EPO; JPO; Derwent
19	BRS	945	glutathione.ti.	USPAT; EPO; JPO; Derwent
20	BRS	241933	(UV OR ULTRAVIOLET)	USPAT; EPO; JPO; Derwent

	Time Stamp	Comments	Error Definition	Errors
1	2000/04/03 15:05			0
2	2000/04/03 15:00			0
3	2000/03/31 16:43			0
4	2000/04/03 09:09			0
5	2000/04/03 09:09			0
6	2000/04/03 09:10			0
7	2000/04/03 15:37			0
8	2000/04/03 09:10			0
9	2000/04/03 13:12			0
10	2000/04/03 10:05			0
11	2000/04/03 09:52			0
12	2000/04/03 09:56			0
13	2000/04/03 09:58			0
14	2000/04/03 13:13			0
15	2000/04/03 13:13			0
16	2000/04/03 13:14			0
17	2000/04/03 13:50			0
18	2000/04/03 13:51			0
19	2000/04/03 15:00			0
20	2000/04/03 15:06			0

	Type	Hits	Search Text	DBs
21	BRS	42	((GLUTATHIONE.TI.) AND ((UV OR ULTRAVIOLET)))	USPAT; EPO; JPO; Derwent
22	BRS	1566	424/59.ccls.	USPAT; EPO; JPO; Derwent
23	BRS	1	((530/331.CCLS.) AND (424/59.CCLS.))	USPAT; EPO; JPO; Derwent
24	BRS	3	"5023235".PN.	USPAT; EPO; JPO; Derwent
25	BRS	1094	530/331.ccls.	USPAT; EPO; JPO; Derwent

	Time Stamp	Comments	Error Definition	Errors
21	2000/04/03 15:06			0
22	2000/04/03 15:37			0
23	2000/04/03 15:38			0
24	2000/04/03 15:38			0
25	2000/04/03 15:40			0

	Type	Hits	Search Text	DBs
1	BRS	241933	(UV OR ULTRAVIOLET)	USPAT; EPO; JPO; Derwent
2	BRS	7874	glutathione	USPAT; EPO; JPO; Derwent
3	BRS	19	((GLUTATHIONE) NEAR10 ((UV OR ULTRAVIOLET)))	USPAT; EPO; JPO; Derwent
4	BRS	1775	((424/60.CCLS.) OR (424/59.CCLS.))	USPAT; EPO; JPO; Derwent
5	BRS	7874	glutathione	USPAT; EPO; JPO; Derwent
6	BRS	111	((((424/60.CCLS.) OR (424/59.CCLS.))) AND (GLUTATHIONE))	USPAT; EPO; JPO; Derwent
7	BRS	1566	424/59.ccls.	USPAT; EPO; JPO; Derwent
8	BRS	2286	2.ti,ab.	USPAT; EPO; JPO; Derwent
9	BRS	3	((((424/59.CCLS.) AND (GLUTATHIONE))) AND (2.TI,AB.))	USPAT; EPO; JPO; Derwent
10	BRS	110	((424/59.CCLS.) AND (GLUTATHIONE))	USPAT; EPO; JPO; Derwent
11	BRS	1	"3821370".PN.	USPAT
12	BRS	66317	(ANTINFLAMMATORY OR ANTIINFLAMMATORY OR ANTI-INFLAMMATORY OR INFLAMMATION)	USPAT; EPO; JPO; Derwent
13	IS&R	2	("4847069").PN.	USPAT; EPO; JPO; Derwent

	Time Stamp	Comments	Error Definition	Errors
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2	2000/04/03 13:13			0
3	2000/03/31 16:43			0
4	2000/04/03 09:09			0
5	2000/04/03 09:09			0
6	2000/04/03 09:10			0
7	2000/04/03 13:13			0
8	2000/04/03 09:10			0
9	2000/04/03 13:12			0
10	2000/04/03 10:05			0
11	2000/04/03 09:52			0
12	2000/04/03 09:56			0
13	2000/04/03 09:58			0

DOCUMENT-IDENTIFIER: US 4847069 A

TITLE: Photoprotection compositions comprising sorbohydroxamic acid and an anti-inflammatory agent

BSPR:

The photoprotection compositions of the present invention may comprise, in addition to the sorbohydroxamic acid and anti-inflammatory agent, a safe and photoprotectively effective amount of tocopherol sorbate. By "safe and photoprotectively effective amount" is meant an amount sufficient to provide photoprotection when the composition is properly applied, but not so much as to cause any side effects or adverse skin reactions; generally from about 1% to about 20%, preferably from about 2% to about 10%, of the composition. Examples of such radical scavenging compounds are ascorbic acid (Vitamin C) and its salts, tocopherol (Vitamin E), other tocopherol esters, butylated hydroxy benzoic acids and their salts, 6-hydroxy-2,5,7,8-tetramethylchroman-2-carboxylic acid (commercially available under the tradename Trolox.RTM.), gallic acid and its alkyl esters, especially propyl gallate, uric acid and its salts and alkyl esters, sorbic acid and its salts, the ascorbyl esters of fatty acids, amines (e.g., N,N-diethylhydroxylamine, aminoguanidine), sulfhydryl compounds (e.g., glutathione) and dihydroxyfumaric acid and its salts. Each of these compounds has photoprotecting capabilities. However, the use of the radical scavenger tocopherol sorbate in the present invention in combination with the sorbohydroxamic acid is preferred.

CCXR:

424/59

DOCUMENT-IDENTIFIER: US 4847071 A

TITLE: Photoprotection compositions comprising tocopherol sorbate and an anti-inflammatory agent

BSPR:

The present invention relates to the topical use of compositions containing a radical scavenging compound, selected from the group consisting of ascorbic acid (Vitamin C) and its salts, tocopherol (Vitamin E), tocopherol sorbate, other esters of tocopherol, butylated hydroxy benzoic acids and their salts, 6-hydroxy-2,5,7,8-tetramethylchroman-2-carboxylic acid (commercially available under the tradename Trolox.RTM.), gallic acid and its alkyl esters, especially propyl gallate, uric acid and its salts and alkyl esters, sorbic acid and its salts, the ascorbyl esters of fatty acids, amines (e.g., N,N-diethylhydroxylamine, amino-guanidine), sulfhydryl compounds (e.g., glutathione), and dihydroxy fumaric acid and its salts. Each of these compounds has photoprotecting capability, however, of these, tocopherol sorbate is preferred to prevent the deleterious effects of UV exposure.

CCOR:

424/59

DOCUMENT-IDENTIFIER: US 4952391 A

TITLE: Tert-butyl derivatives of benzylidenecamphor, process for preparing them, their use as antioxidant agents and cosmetic and pharmaceutical compositions containing them

DEPR:

The following cream, forming a water-in-oil emulsion, the aqueous phase of which comprises water, ascorbic acid, EDTA, glutathione and citric acid, is prepared in the same manner as in Example 4:

DEPU:

Glutathione 0.1 g

CCXR:

424/59

DOCUMENT-IDENTIFIER: US 5023235 A

TITLE: Antioxidant system based on an ascorbyl ester in combination with a complexing agent and a thiol and to compositions containing the same

CLPR:

1. An antioxidant system comprising from 5 to 87.5 weight percent of an ascorbyl ester of an aliphatic acid having 6 to 24 carbon atoms stabilized with
(i) a complexing agent in an amount ranging from 2 to 25 weight percent selected from the group consisting of ethylenediamine tetracetic acid, pentasodium salt of diethylenetriamine pentacetic acid, hexadecylamine salicylate, citric acid, tartaric acid, sodium-tartrate, phytic acid, dibenzylldithiocarbamate and mixtures thereof, and (ii) a thiol in an amount ranging from 1 to 37.5 weight percent selected from the group consisting of N-acetyl cysteine, glutathione and mixtures thereof, said percentages being based on the total weight of said system.

CLPV:

(d) a thiol present in an amount ranging from 0.1 to 0.7 percent by weight based on the total weight of said composition, said thiol being selected from the group consisting of N-acetyl cysteine, glutathione and mixtures thereof.

CCXR:

424/59

DOCUMENT-IDENTIFIER: US 5216116 A
TITLE: Soluble melanin

DEPR:

Soluble melanin prepared by the above procedure is golden-brown in color and absorbs widely throughout the ultraviolet and visible spectra (e.g., 220 to 700 millimicrons). The color can vary from brown-black in very concentrated solutions, to golden in more dilute solutions. The addition of sulfhydryl-containing compounds such as cysteine or glutathione can impart a reddish color to the soluble melanins.

CLPR:

2. The method according to claim 1 wherein the sulfhydryl compound comprises at least one of cysteine and glutathione.

CCXR:

424/59

DOCUMENT-IDENTIFIER: US 5238965 A

TITLE: Methods of using lysophosphatidic acids for regulating skin wrinkles

DEPR:

Anti-oxidants/radical scavengers such as ascorbic acid (vitamin C) and its salts, tocopherol (vitamin E), tocopherol sorbate, other esters of tocopherol, butylated hydroxy benzoic acids and their salts, 6-hydroxy-2,5,7,8-tetramethylchroman-2-carboxylic acid (commercially available under the tradename Trolox.RTM.), gallic acid and its alkyl esters, especially propyl gallate, uric acid and its salts and alkyl esters, sorbic acid and its salts, the ascorbyl esters of fatty acids, amines (e.g., N,N-diethylhydroxylamine, amino-guanidine), sulfhydryl compounds (e.g., glutathione), and dihydroxy fumaric acid and its salts may be used.

CCXR:

424/59

USPT

US-PAT-NO: 5709847

DOCUMENT-IDENTIFIER: US 5709847 A

TITLE: Compositions comprising a radical scavenging compound and an

anti-inflammatory agent

DATE-ISSUED: January 20, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE
COUNTRY			
Bissett; Donald Lynn	Hamilton	OH	N/A
N/A			
Bush; Rodney Dean	Cincinnati	OH	N/A
N/A			
Chatterjee; Ranjit	Fairfield	OH	N/A
N/A			

ASSIGNEE INFORMATION:

NAME	CITY	STATE	ZIP CODE
COUNTRY			
TYPE CODE			
The Procter & Gamble	Cincinnati	OH	N/A
N/A			
02			

Company

APPL-NO: 8/ 744891

DATE FILED: November 8, 1996

PARENT-CASE:

This is a continuation of application Ser. No. 07/543,945, filed on Jun. 26,

1990 now abandoned, which is a divisional of application Ser.

No. 346,435,

filed on Jun. 26, 1989, now U.S. Pat. No. 4,954,332, issued Sep. 4, 1990,

which is a divisional of application Ser. No. 112,575, filed on Oct. 22,

1987, now U.S. Pat. No. 4,847,017, issued Jul. 11, 1989.

INT-CL: [6] A61K007/42,A61K007/00

US-CL-ISSUED: 424/59,424/60 ,424/400 ,424/401

US-CL-CURRENT: 424/59,424/400 ,424/401 ,424/60

FIELD-OF-SEARCH: 424/59;424/60 ;424/400 ;424/401

REF-CITED:

		U.S. PATENT DOCUMENTS		
PAT-NO	ISSUE-DATE	PATENTEE-NAME		US-CL
2376884	May 1945	Schwenk et al.		424/59
2377188	May 1945	Schwenk et al.		424/59
4000276	December 1976	Hasunuma et al.		424/251
4070540	January 1978	Barner et al.		424/59
4083974	April 1978	Turi		424/241
4144325	March 1979	Voyt		424/59
4185100	January 1980	Rovee et al.		424/240
4248861	February 1981	Schutt		424/60

4282216	August 1981	Rovee et al.	424/240
4338293	July 1982	Holick	424/59
4404198	September 1983	Kelley	424/235
4537776	August 1985	Cooper	514/424
4603146	July 1986	Kligman	514/559
4663157	May 1987	Brock	424/59
4708966	November 1987	Loomans et al.	514/689
4847069	July 1989	Bissett et al.	424/47
4847072	July 1989	Bissett et al.	424/59
4869897	September 1989	Chatterjee et al.	N/A
4912248	March 1990	Mueler	560/56
5039513	August 1991	Chatterjee et al.	424/47
5487884	January 1996	Bissett et al.	424/59

FOREIGN PATENT DOCUMENTS		
COUNTRY	FOREIGN-PAT-NO	PUBN-DATE
US-CL		
EP	0085334	August 1983
EP	0158090	October 1985
EP	0166221	January 1986
EP	0281394	September 1988
JP	59-170011	September 1984
JP	61-143311	July 1986
GB	1239965	July 1971
GB	2109373	June 1983

ART-UNIT: 127

PRIMARY-EXAMINER: Dodson; Shelley A.

ATTY-AGENT-FIRM: Graff, IV; Milton B. Howell; John M. Henderson; Loretta J.

ABSTRACT:

Disclosed are pharmaceutical compositions comprising a radical scavenging agent and an anti-inflammatory agent which are useful for topical application to prevent damage to skin caused by acute or chronic UV exposure.

Combinations of a radical scavenging agent, an anti-inflammatory agent, and a sunscreen are also disclosed.

Also disclosed is a method for using these compositions topically to prevent damage to skin caused by acute or chronic UV exposure.

16 Claims, 0 Drawing figures